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TRANSMITTAL FORM (to be used for all correspondence after initial filing)	Application Number	09/814,337
	Filing Date	Mar 21, 2001
	First Named Inventor	Bolosky
	Group Art Unit	2131
	Examiner Name	HAYES, GAIL
Total Number of Pages in This Submission	Attorney Docket Number	MS1-735US

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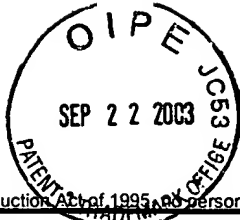
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ENCLOSURES (check all that apply)		
<input checked="" type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Fee Attached <input type="checkbox"/> Amendment / Reply <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input checked="" type="checkbox"/> Information Disclosure Statement <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Response to Missing Parts/Incomplete Application <input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Assignment Papers (for an Application) <input type="checkbox"/> Drawing(s) Sheets <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s) _____	<input type="checkbox"/> After Allowance Communication to Group <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to Group (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input checked="" type="checkbox"/> Other Enclosure(s) (please identify below): Form PTO-1449; reference copies (37); return receipt postcard
Remarks CUSTOMER NO. 22801		

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT	
Firm or Individual name	Lewis C. Lee, Reg. No. 34,656
Signature	
Date	9-16-2003

CERTIFICATE OF MAILING		
I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on this date: 9/17/03		
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FEE TRANSMITTAL for FY 2003

Effective 01/01/2003. Patent fees are subject to annual revision.

☐ Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT (\$) 0.00

Complete if Known

Application Number 09/814,337
Filing Date Mar 21, 2001
First Named Inventor Bolosky
Examiner Name HAYES, GAIL O
Art Unit 2131
Attorney Docket No. MS1-735US

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METHOD OF PAYMENT (check all that apply)

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☒ Deposit Account:

Deposit
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12-0769

Lee & Hayes, PLLC

The Commissioner is authorized to: (check all that apply)

☒ Charge fee(s) indicated below ☒ Credit any overpayments

☒ Charge any additional fee(s) during the pendency of this application

☐ Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.

FEE CALCULATION

1. BASIC FILING FEE

Large Entity		Small Entity		Fee Description	Fee Paid
Fee Code	Fee (\$)	Fee Code	Fee (\$)		
1001	750	2001	375	Utility filing fee	
1002	330	2002	165	Design filing fee	
1003	520	2003	260	Plant filing fee	
1004	750	2004	375	Reissue filing fee	
1005	160	2005	80	Provisional filing fee	
SUBTOTAL (1) (\$)					

2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE

		Extra Claims		Fee from below		Fee Paid
Total Claims	<input type="text"/>	-20** =	<input type="text"/>	X	18	<input type="text"/>
Independent Claims	<input type="text"/>	-3** =	<input type="text"/>	X	84	<input type="text"/>
Multiple Dependent						<input type="text"/>

Large Entity		Small Entity		Fee Description	Fee Paid
Fee Code	Fee (\$)	Fee Code	Fee (\$)		
1202	18	2202	9	Claims in excess of 20	
1201	84	2201	42	Independent claims in excess of 3	
1203	280	2203	140	Multiple dependent claim, if not paid	
1204	84	2204	42	** Reissue independent claims over original patent	
1205	18	2205	9	** Reissue claims in excess of 20 and over original patent	
SUBTOTAL (2) (\$)					

**or number previously paid, if greater; For Reissues, see above

FEE CALCULATION (continued)

3. ADDITIONAL FEES

Large Entity Small Entity

Fee Code	Fee (\$)	Fee Code	Fee (\$)	Fee Description	Fee Paid
1051	130	2051	65	Surcharge - late filing fee or oath	
1052	50	2052	25	Surcharge - late provisional filing fee or cover sheet	
1053	130	1053	130	Non-English specification	
1812	2,520	1812	2,520	For filing a request for ex parte reexamination	
1804	920*	1804	920*	Requesting publication of SIR prior to Examiner action	
1805	1,840*	1805	1,840*	Requesting publication of SIR after Examiner action	
1251	110	2251	55	Extension for reply within first month	
1252	410	2252	205	Extension for reply within second month	
1253	930	2253	465	Extension for reply within third month	
1254	1,450	2254	725	Extension for reply within fourth month	
1255	1,970	2255	985	Extension for reply within fifth month	
1401	320	2401	160	Notice of Appeal	
1402	320	2402	160	Filing a brief in support of an appeal	
1403	280	2403	140	Request for oral hearing	
1451	1,510	1451	1,510	Petition to institute a public use proceeding	
1452	110	2452	55	Petition to revive - unavoidable	
1453	1,300	2453	650	Petition to revive - unintentional	
1501	1,300	2501	650	Utility issue fee (or reissue)	
1502	470	2502	235	Design issue fee	
1503	630	2503	315	Plant issue fee	
1460	130	1460	130	Petitions to the Commissioner	
1807	50	1807	50	Processing fee under 37 CFR 1.17(q)	
1806	180	1806	180	Submission of Information Disclosure Stmt	
8021	40	8021	40	Recording each patent assignment per property (times number of properties)	
1809	750	2809	375	Filing a submission after final rejection (37 CFR 1.129(a))	
1810	750	2810	375	For each additional invention to be examined (37 CFR 1.129(b))	
1801	750	2801	375	Request for Continued Examination (RCE)	
1802	900	1802	900	Request for expedited examination of a design application	

Other fee (specify)

*Reduced by Basic Filing Fee Paid

SUBTOTAL (3) (\$)

SUBMITTED BY

(Complete if applicable)

Name (Print/Type) Lewis S. Lee Registration No. 34,656 Telephone (509) 324-9256
Signature [Signature] Date 9-16-2003

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

This collection of information is required by 37 CFR 1.17 and 1.27. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS.

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Serial No.09/814,337
Filing Date Mar 21, 2001
Confirmation No 3684
Inventorship Bolosky
Applicant Microsoft Corporation
Group Art Unit 2131
Examiner HAYES, GAIL O
Attorney's Docket No.MS1-735US
Title: On-Disk File Format for Serverless Distributed File System with Signed
Manifest of File Modifications

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INFORMATION DISCLOSURE STATEMENT

References -- See Attached Form PTO-1449


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REMARKS

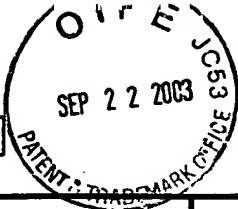
The citations listed, copies attached, are submitted in compliance with the duty of disclosure defined in 37 CFR §1.56. The Examiner is requested to make these citations of official record in this application.

Respectfully submitted,

Date: 9-16-2003

By: 
Lewis C. Lee
Reg. No. 34,656

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Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>				Complete if Known	
				Application Number	09/814,337
				Filing Date	Mar 21, 2001
				First Named Inventor	Bolosky
				Group Art Unit	2131
				Examiner Name	HAYES, GAIL O
				Attorney Docket Number	MS1-735US
Sheet	1	of	4		

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¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)			Application Number	09/814,337
			Filing Date	Mar 21, 2001
			First Named Inventor	Bolosky
			Group Art Unit	2131
			Examiner Name	HAYES, GAIL O
			Attorney Docket Number	MS1-735US
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NON PATENT LITERATURE DOCUMENTS			
Examiner Initials ¹	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
		E. Adar and B. Huberman, "Free Riding on Gnutella," Xerox PARC Technical Report, pages 1-22, August 2000.	
		R. Anderson, "The Eternity Service," PRAGO-CRYPT, pages 242-252, October 1996.	
		T. Anderson, M. Dahlin, J. Neefe, D. Patterson, D. Roselli, and R. Wang, "Serverless Network File Systems," 15th Symposium on Operating Systems Principles, pages 109-126, December 1995.	
		W. Bolosky, J. Douceur, D. Ely, M. Theimer, "Feasibility of a Serverless Distributed File System Deployed on an Existing Set of Desktop PCs", Proceedings of the International Conference on Measurement and Modeling of Computer Systems, pages 34-43, June 17-21, 2000.	
		W. Bolosky, S. Corbin, D. Goebel, and J. Douceur, "Single Instance Storage in Windows® 2000," Proceedings of the 4th USENIX Windows Systems Symposium, pages 13-24, August 2000.	
		G. Cabri, A. Corradi, F. Zambonelli, "Experience of Adaptive Replication in Distributed File Systems", 22nd IEEE EUROMICRO, 10 pages, September 1996.	
		M. Castro and B. Liskov, "Practical Byzantine Fault Tolerance," Proceedings of the Third Symposium on Operating Systems Design and Implementation, 14 pages, February 1999.	
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		I. Clarke, O. Sandberg, B. Wiley, and T. Hong, "Freenet: A Distributed Anonymous Information Storage and Retrieval System," ICSI Workshop on Design Issues in Anonymity and Unobservability, 21 pages, July 2000.	
		J. Douceur and W. Bolosky, "A Large-Scale Study of File-System Contents," SIGMETRICS, pages 59-70, May 1999.	
		L. Fan, P. Cao, J. Almeida, and A. Broder, "Summary Cache: A Scalable Wide-Area Web Cache Sharing Protocol", ACM SIGCOMM, pages 254-265, 1998.	

Examiner Signature		Date Considered	
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¹EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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Substitute for form 1449B/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>		Complete if Known		RECEIVED SEP 25 2003 Technology Center 2100
		Application Number	09/814,337	
		Filing Date	Mar 21, 2001	
		First Named Inventor	Bolosky	
		Group Art Unit	2131	
		Examiner Name	HAYES, GAIL O	
		Attorney Docket Number	MS1-735US	
Sheet	4	of	4	

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials ²	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
		R. T. Reich and D. Albee, "S.M.A.R.T. Phase-II," Number WP-9803-001, Maxtor Corporation, 3 pages, February 1998.	
		J. D. Saltzer and M. D. Schroeder, "The Protection of Information in Computer Systems," Proceedings of the IEEE 63(9), pages 1278-1308, September 1975.	
		R. Sandberg, D. Goldberg, S. Kleiman, D. Walsh, and B. Lyon, "Design and Implementation of the Sun Network Filesystem," Summer USENIX Conference, pages 119-130, June 1985.	
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		W. Vogels, "File system usage in Windows NT 4.0," 17th ACM Symposium on Operating Systems Principles, pages 93-109, December 1999.	
		J. Wylie, M. Bigrigg, J. Strunk, G. Ganger, H. Kiliççöte, and P. Khosla, "Survivable Information Storage Systems," IEEE Computer, pages 33(8):61-68, August 2000.	

Examiner Signature		Date Considered	
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			Filing Date	Mar 21, 2001
			First Named Inventor	Bolosky
			Group Art Unit	2131
			Examiner Name	HAYES, GAIL O
			Attorney Docket Number	MS1-735US
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		A. Goldberg and P. Yianilos, "Towards an Archival Interemory," IEEE International Forum on Research and Technology Advances in Digital Libraries, pages 147-156, April 1998.	
		J. Howard, M. Kazar, S. Menees, D. Nichols, M. Satyanarayanan, R. Sidebotham, and M. West, "Scale and Performance in a Distributed File System," ACM Transactions on Computer Systems, pages 51-81, Feb. 1988.	
		J. Kistler and M. Satyanarayanan, "Disconnected Operation in the Coda File System," ACM Transactions on Computer Systems, Vol. 10, No. 1, pages 3-25, February 1992.	
		J. Kubiawicz et al., "OceanStore: An Architecture for Global-Scale Persistent Storage," Proceedings of the Ninth International Conference on Architectural Support for Programming Languages and Operating Systems, 12 pages, Nov. 2000.	
		E. Lee and C. Thekkath, "Petal: Distributed Virtual Disks," Seventh International Conference on Architectural Support for Programming Languages and Operating Systems", pages 84-92, October 1996.	
		D. Mazières, M. Kaminsky, M. F. Kaashoek, and E. Witchel, "Separating Key Management from File System Security", 17th ACM Symposium on Operating Systems Principles, pages 124-139, December 1999.	
		D.L. McCue, M.C. Little, "Computing Replica Placement in Distributed Systems", IEEE Second Workshop on Replicated Data, pages 58-61, November 1992.	
		M. K. McKusick, W. N. Joy, S. J. Leffler, and R. S. Fabry, "A Fast File System for Unix," ACM Transactions on Computer Systems, Vol. 2, No. 3, pages 181-197, August 1984.	
		The OceanStore Project web pages, http://oceanstore.cs.berkeley.edu/info/overview.html , 2 pages, last modified July 8, 2002.	
		C. Plaxton, R. Rajaraman, and A. Richa, "Accessing Nearby Copies of Replicated Objects in a Distributed Environment", Proceedings of the 9th Annual ACM Symposium on Parallel Algorithms and Architectures, pages 311-320, 1997.	
		C. Plaxton, R. Rajaraman, and A. Richa, "Accessing Nearby Copies of Replicated Objects in a Distributed Environment", Theory of Computing Systems, pages 32:241-280, 1999.	

Examiner Signature		Date Considered	
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